

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

MINING AND RECLAMATION PLAN
(Other forms may be used in lieu of MR 2, provided
they contain the same information)

1. Name of Applicant or Company ADAMS MINING COMPANY
2. Proposed type of operation Surface uranium mine
3. (a) Prior Land Use(s) limited grazing
(b) Current Land Use(s) " " & mining
(c) Possible or Prospective Future Land Use(s) limited grazing
4. What vegetation exists on the land proposed to be affected species
representative of the Salt Desert shrub type
(a) Types and Estimated Percent cover or density: 15%
5. What is the range pH of soil before mining? 7.5 - 8/5 pH
Name of Person or Agency and method of determining pH Division of Oil, Gas, and Mining
6. Site elevation above sea level 5800-5900'
7. In case of coal, oil shale, and bituminous sandstone:
Principal seam(s) and thickness(es) Not applicable
8. Estimated duration of mining operations 20 years
9. Has overburden, waste or rejected materials been classified as acid or
alkali producing? (X) Yes () No
Does the above material being moved have any other characteristics
affecting revegetation? No
10. Will any underground workings or aquifers be encountered? () Yes (X) No
Describe _____
Is there an active discharge of water from abandoned deep mines on or
crossing the land affected? () Yes (X) No If yes, describe
the quality of water being discharged. _____

11. Describe specifically a detailed procedure for: ****SEE ATTACHMENT "A"**

- (a) The mining sequence
- (b) The procedure for constructing and maintaining access roads, to include a typical cross-section and a profile of the proposed road grades.
- (c) The procedure for site preparation including removing trees and brush.
- (d) The method for removing and stockpiling topsoil or disturbed materials.
- (e) The method for the placement or containment of all disturbed materials, to include the method for handling of all acid or alkali-producing and toxic material.
- (f) A procedure for final stabilization of disturbed materials.

GRADING AND REGRADING

Specifically describe:

- (a) Typical cross-section of regrading.
- (b) The method of spreading topsoil or upper horizon material on the regraded area and indicate the approximate thickness of the final surfacing material.
- (c) What type of soil treatment will be utilized.
- (d) The method of drainage control for the final regraded area.
- (e) Maximum grading slope.

TESTING

1. Describe method for testing stability of reclamation fill material.

Fill material use will be based on the experience of stability found in the mining operation.

Describe method for the testing of soil that is intended to support vegetation Standard N,P, & K nutrient tests -- U.S.U.

2. Describe any soil treatment employed as an aid to revegetation Possibly fertilization will be used but experience as a result of trial plots will be the main guideline.

3. Describe surface preparation of areas intended to support vegetation:

Regrading will be the only surface preparation.

REVEGETATION

1. Revegetation to be completed by:

- | | |
|-----------------------------------------------------|---------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> Operator | <input type="checkbox"/> Hydroseeding |
| <input type="checkbox"/> Soil Conservation District | <input type="checkbox"/> Aerial Seeding |
| <input type="checkbox"/> Private Contractor | <input type="checkbox"/> Conventional or Rangeland Drilling |
| Name _____ | <input checked="" type="checkbox"/> Other (specify) <u>Broadcast & drag</u> |
| <input type="checkbox"/> Other (specify) _____ | |

2. Will Mulch be used? No

Type _____ Rate/Acre _____ lbs.

3. Revegetation Plan and Schedule - Anticipated plant species to be used on a trial basis.

Species	Rate/ Acre	Planting Location	Facing N-S-E-W	Season to be replanted
Shadscale	4 lb.	total area		
Galleta grass	4 lb.	" "		
Indian Ricegrass	2 lb.	" "		
Fourwing Saltbush	2 lb.	" "		
Crested wheatgrass	2 lb.	" "		

4. Will affected area be subject to livestock or wildlife grazing? ☒ Yes
() No Will vegetation protection be needed? _____

No, grazing is limited in this area.

5. Will irrigation be used? () Yes (X) No Type _____

6. Describe maintenance procedures for revegetation if needed, until surety release is granted. None, vegetation will be planted with the
objective of natural maintenance.

****SEE ATTACHMENT "B"*****

I, the undersigned Operator, hereby submit this to be my Reclamation and Mining Plan for the area shown on the attached map. I further understand that the operation will be conducted in accordance with the Mined Land Reclamation Act of 1975, and all rules and regulations currently in effect thereunder.

Signed James Alamaykare Operator Date 8/2/76
FOR ADAMS MINING CO

Taken, subscribed and sworn to before me the undersigned authority in my said county, this 22nd day of August, 19 76.

Notary Public Andrew Anderson

My Commission Expires: March 8, 1980

ATTACHMENT "A"

MR FORMS 2

11. a) A large backhoe will strip overburden from the northernmost sector of the mountain. Overburden here is 0"-18" in depth.

Overburden will be placed in the location shown on the map marked surficial material.

Surface soil, if present will be segregated from country rock and stockpiled as shown on map for later use.

Ore will be removed by conventional ripping of shale from the Brushy Basin member of the Morrison formation and transported to mills which are located off-site (Moab or other areas).

- b) A county road traverses the property. A haulage road will be constructed as needed on the claims. No specific engineering will be performed on temporary use roads.
- c) No site preparation is needed in this location.
- d) Surficial materials will be stockpiled before removing ore. Country waste rock and available soil will be segregated for future use.
- e) No toxic, acid, or alkali producing materials will be produced. Waste material will be stockpiled as described in part "d".
- f) Upon termination of mining activity the surficial material will be relocated and regraded over the mined area, in harmony with the local contour. Attempts will be made to establish a vegetative cover over the regraded area. The planting program will be commensurate with the amount of available soil.

GRADING AND REGRADING

- a) Grading will leave no highwalls in excess of 100% (45%).
- b) Surficial waste rock will be spread at 1'-2' depth for as long as the supply lasts. Soil will be spread over this rock.

GRADING AND REGRADING CONT.

11. c) No soil treatment is anticipated at this time.
- d) Drainage will be diverted away from the working area.
- e) Maximum grading slope will be 100% (45°).

ADAMS MINING COMPANY

James Halamandaris
JAMES HALAMANDARIS
AGENT

ATTACHMENT "B"

MR FORM 2

- (1) Adams Mining Company will upon termination of operations remove or bury extraneous debris, scrap wood and metal, and unusable buildings from the mine area.
- (2) Mining will be conducted on the area covered by this Notice of Intention to Commence Mining Operations in a safe, orderly, and minerlike manner.